**2013 – 2014**

**List of Staff Areas of Interests – (staff will also supervise a wide range of other areas)**

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| **Name**  | **Room**  | **Areas of Interest**  |
| Dr M Antoniou  | 213  | Bi and multi-static radar systems, passive radar, imaging radar, radar imaging processing.  |
| Mr PR Atkins  | 412  | Sensors, underground mapping, signal-processing, sonar systems, navigation, radio and acoustic communications.  |
| Prof C Baber  | 135  | Human factors integration, body-wearable computers, pervasive computing, augmented reality.  |
| Dr MA Brdys  | NG19  | Control systems: structures, algorithms, intelligence. Applications: drinking water distribution networks, electrical power grids, autonomous unmanned vehicles, process control. Integrated monitoring, control and security of Critical Infrastructure Systems.  |
| Dr S Bull  | 319  | Artificial intelligence in education, adaptive systems, learner modelling, user modelling, personalization.  |
| Dr G Castellano  | 317  | Context-based social perception, affect recognition from the face and body, multimodal affect-sensitive human-computer and human-robot interaction  |
| Prof M Cherniakov  | 113A  | Mobile communication systems, radar systems and sensors.  |
| Dr PA Childs  | 513  | Modelling of semi-conductor devices, measurement of the electronic properties of metallic single-walled carbon nanotubes, modelling of graphene based devices, X-ray propagation in carbon nanotubes |
| Dr T Collins  | 125  | Signal processing, building and underwater acoustics, electronics, audio and music processing.  |
| Dr CC Constantinou  | 209  | Communications Networks (protocols, simulation, radio networks), Electromagnetics (Radio Propagation, Radio System Planning, Antennas), Radio Systems.  |
| Dr N Cooke  | 313  | Gaze and speech centric multimodal interaction. Interactive 3D serious games.  |
| Dr A Feresidis  | 417  | Antennas for modern wireless communication systems, electromagnetic meta-materials and applications, microwave circuits.  |
| Dr P Gardner  | 431  | Microwave circuits, active antennas, radio receivers and transmitters.  |
| Dr M Gashinova  | 416  | Bistatic radars, signal processing, theoretical modelling in propagation and numerical techniques for microwave structures modelling and design  |
| Dr H Ghafouri-Shiraz  | 208  | Optical fiber communications, Optical Devices, Optical Networks, Microwave Devices and Microstrip Antennas for Wireless Communications.  |
| Dr S Hillmansen  | 119  | Power electronics, energy conversion, railway systems, finite-element analysis.  |
| Dr F Huang  | 215  | Passive microwave components, filters.  |
| Dr T. Jackson  | 517  | Characterisation of materials at microwave frequencies.  |
| Dr P Jancovic  | 518  | Robust Speech Recognition, Speech Processing, Noise Reduction, Audio-Visual Speech Processing, Pattern Recognition, Digital Signal Processing.  |
| Prof MJ Lancaster  | 129  | Microwave components, antennas.  |
| Dr M Oussalah  | 214  | Social Network, Location Based Services, Text and Data mining, Object Tracking, Information Fusion  |
| Mr D Pycock  | 411  | Computer vision, medical image interpretation, Active Vision, Colour Image Processing, Medical and Physiotherapy Electronics, radar signal processing  |
| Dr SF Quigley  | 115  | Digital systems (VHDL), reconfigurable computing.  |
| Prof MJ Russell  | 132  | Speech and language technologies, Information Retrieval, Data Mining  |
| Dr PA Smith  | 519  | Novel devices for communication filters, electromagnetic modelling, materials for communications applications. Communications components.  |
| Dr M Spann  | 415  | Vision systems, digital signal processing, pattern recognition, internet-based applications. Visual tracking based on statistical models.  |
| Mr EJ Stewart  | 120  | Condition monitoring, microprocessor based instrument systems, railway systems |
| Prof R J Stone  | 131  | Virtual Reality, “Serious Games” and Simulation; Augmented Reality; Virtual Heritage; Medical Technologies and Simulation; Telerobotics; Human Factors.  |
| Dr E Tarte  | 318  | Bioelectric sensor development plus simulation and modelling of bioelectric phenomena |
| Dr P Tricoli  | 118  | Power electronics, electrical machines and drives, energy storage for railways, power converters for renewable energy sources.  |
| Prof XP Zhang  | 312  | Micro-generation and micro grid. Power systems economics, smart grids. Embedded generation.  |